REMARKS

Applicants respectfully request reconsideration of this application as amended. Claims 1, 2, 4, 6, 8, 12, 14, 15, 17, 19, 21, 25, 27, 29, 31, 32 and 34-38 are pending in the application. Claims 1, 2, 4, 6, 8, 12, 14, 15, 17, 19, 21, 25, 27, 29, 31, 32 and 34-38 have been amended. No claims cancelled. No claims have been added.

The Examiner rejected claims 1, 2, 4, 6, 8, 12, 25, 27, 29, 31, 32 and 35-38 under 35 U.S.C. § 101 because the claimed invention is directed to non-statutory subject matter. Applicant has amended claims 1, 2, 4, 6, 8, 12, 25, 27, 29, 31, 32 and 35-38 to more clearly direct the claims to statutory subject matter. More specifically, the claims as amended are directed to a computer implemented process for data conversion that is performed as part of a coding and decoding process. As such, the computer implemented process requires the use of a machine. Accordingly, Applicant respectfully submits that the rejection under 35 U.S.C. § 101 has been overcome by the amendments and the remarks. Applicant submits that claims 1, 2, 4, 6, 8, 12, 25, 27, 29, 31, 32 and 35-38 as amended are now in condition for allowance and such action is earnestly solicited.

The Examiner rejected claims 1, 2, 4, 6, 8, 12, 14, 15, 17, 19, 21, 25, 27, 29, 31, 32 and 34-38 under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant has amended Claims 1, 12, 25 and 34 to set forth the present invention in more clear and concise terms. Accordingly, Applicant respectfully submits that the rejection under 35 U.S.C. § 112 has been overcome by the amendments and the remarks. Applicant submits that claims 1, 2, 4, 6, 8, 12, 14, 15, 17, 19, 21, 25, 27, 29, 31, 32 and 34-38 as amended are now in condition for allowance and such action is earnestly solicited.

Claims 35 and 38 are objected to because of informalities. Applicant has amended claims

35 and 38 to correct informalities. Applicant respectfully requests the Examiner withdraw the

objection. Applicant has amended Claims 35 and 38 to overcome the objection. Applicant

respectfully requests the Examiner to withdraw the objection.

The Examiner rejected claims 1, 14 and 34 under 35 U.S.C. § 102(b) as being anticipated

by Allen (U.S. Patent 6,044,172). Applicant respectfully disagrees.

Claim 1 as amended is as follows:

> A computer-implemented method for reversibly converting a data format as part of
> a coding and decoding process that includes compression, the computer-implemented
> method comprising:
> performing a forward transformation and performing a backward transformation
> reciprocally on data being transformed between unit systems having different resolution
> levels defined by a brightness and a color difference, the forward transformation being
> performed prior to performing the compression,
> wherein in the forward transformation and the backward transformation, a first unit
> system having a lower resolution level is used as a common unit system, and the method
> further comprising performing a reversible data conversion with use of an integer operation
> for data in the first unit system and data in a second unit system having a higher resolution
> level higher than the first unit system,
> wherein the first unit system is for a first color space and the second unit system is
> for a second color space that is based on three primary colors of lights, the first color space
> being different than the second color space and the second color space having the higher
> resolution level, and further wherein performing the reversible data conversion comprises
> determining each component value of one of the first and second color spaces during data
> conversion in at least one of the forward and backward transformations based on all of the
> component values of the other of the first and second color spaces, and by using the first
> color space as the common unit system, the reversible data conversion is performed by the
> integer operation, so that the backward transformation to transform first data in the first
> color space to second data in the second color space and the forward transformation to
> transform the second data in the second color space to third data in the first color space are
> conducted, where the first data corresponds to the third data.

As set forth above, Claim 1 includes using a first color space as the common unit system

when performing the reversible data conversion using an integer operation, so that the backward

transformation to transform first data in the first color space to second data in the second color

space and the forward transformation to transform the second data in the second color space to third data in the first color space are conducted, where the first color space is different than the second color space and the second color space has a higher resolution level. Claims 14 and 34 include substantially similar limitations. Applicant respectfully submits that this feature is not shown in Allen.

Allen discloses a reversible color conversion that is reversible in integer arithmetic. The reversible color conversion process is performed on color vectors. Figures 3A and 3B illustrate forward and inverse transforms, respectively, that convert RGB to YUV and vice versa. However, Allen does not disclose using a first color space as the common unit system when performing the reversible data conversion using an integer operation, so that the backward transformation to transform first data in the first color space to second data in the second color space and the forward transformation to transform the second data in the second color space to third data in the first color space are conducted, where the first color space is different than the second color space and the second color space has a higher resolution level. In view of this, Applicant respectfully submits that Claims 1, 14 and 34 are not anticipated by Allen. Accordingly, Applicant respectfully submits that the rejection under 35 U.S.C. § 102(b) has been overcome by the amendments and the remarks. Applicant submits that claims 1, 14 and 34 as amended are now in condition for allowance and such action is earnestly solicited.

Accordingly, Applicants respectfully submit that the objections to the claims and the rejections have been overcome by the amendments and the remarks and withdrawal of these rejections is respectfully requested. Applicants submit that Claims 1, 2, 4, 6, 8, 12, 14, 15, 17, 19, 21, 25, 27, 29, 31, 32 and 34-38 as amended are in condition for allowance and such action is earnestly solicited.

If there are any additional charges, please charge Deposit Account No. 02-2666 for any fee

deficiency that may be due.

Respectfully submitted,

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

Dated: ___7/3/07___

Michael J. Mallie, Reg. No. 36,591

1279 Oakmead Parkway
Sunnyvale, CA 94085-4040
(408) 720-8300